

BEREZIN, V.I.

Vibrational spectra and aromaticity of six-membered azacycles.
Dokl. AN SSSR 155 no. 3:629-631 Mr '64. (MIRA 17:5)

1. Saratovskiy gosudarstvennyy universitet im. N.G.Chernyshevskogo,
Predstavлено академиком V.N.Kondrat'yevym.

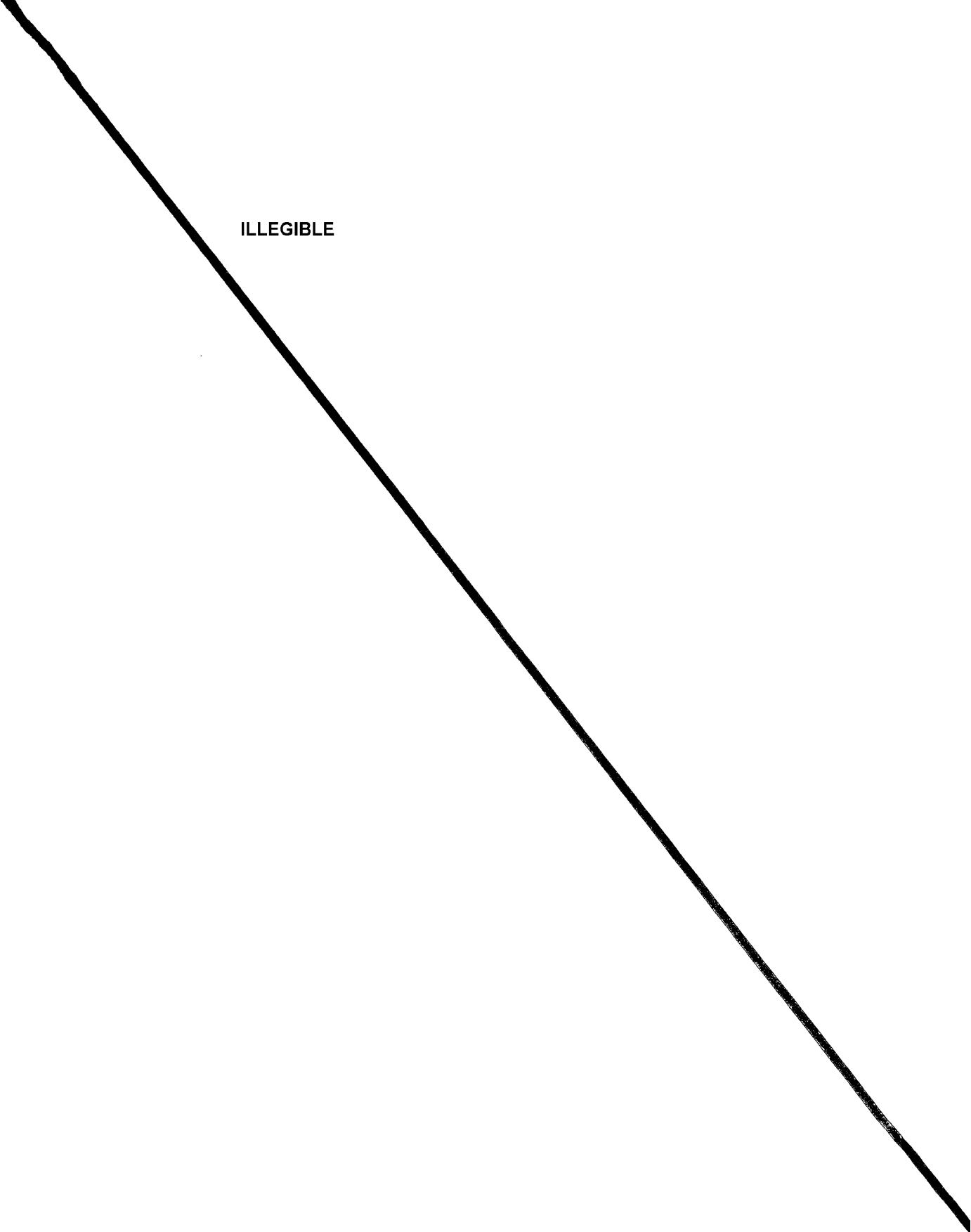
BEREZIN, V.I.; KRAYNOV, Ye.P.

Use of extension factors in calculating molecular vibrations.
Opt. i spektr. 17 no. 6:950-952 D '64.

(MIRA 18:3)

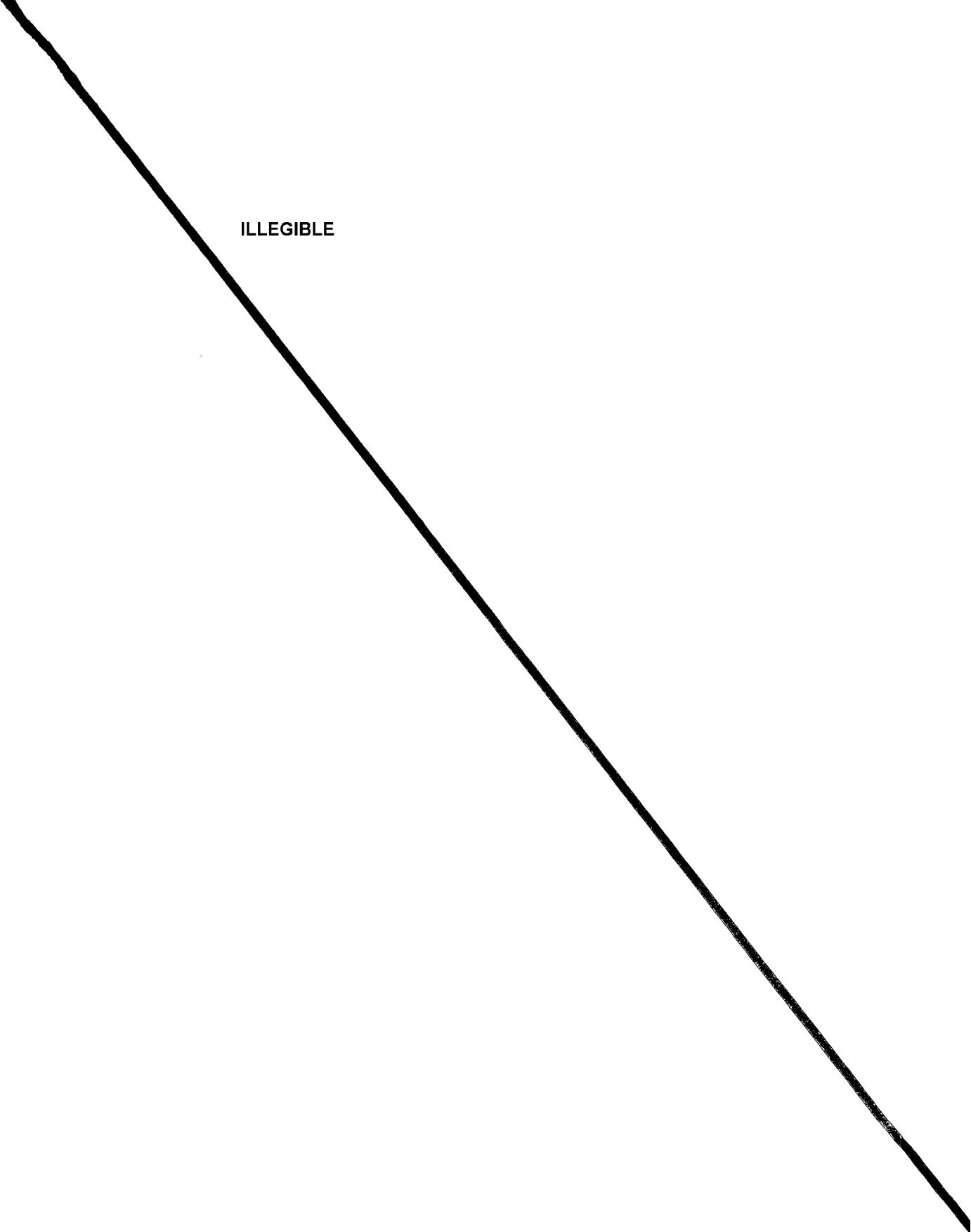
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L 19972-63
ACCESSION NR: AP3007267

2

with the coefficients for benzene. Coupling between the angles in pyridine as compared with benzene is discussed briefly. "In conclusion, I desire to thank Prof. M.A.Kovner for suggesting the topic and discussion of the results and N.I.Dan'yilova for assistance in carrying out the calculations on a computer." Orig.art. has: 9 formulas, 1 figure and 3 tables.

ASSOCIATION: none

SUBMITTED: 21Jan63

DATE ACQ: 09Oct63

ENCL: 00

SUB CODE: PH

NO REF Sov: 007

OTHER: 008

Card 2/2

L 19972-63

RM/WW/MAY

ACCESSION NR: AP3007267

EWA(b)/EPF(c)/EWT(l)/EWT(m)/BDS AFFTC/ASD Pa-4/Pr-4

S/0051/63/015/003/0310/0314 21 B
XX

AUTHOR: Berezin, V. I.

TITLE: Calculation and interpretation of the vibrational spectra of pyridine and some deuteropyridines. In-plane vibrations

SOURCE: Optika i spektroskopiya, v.15, no.3, 1963, 310-314

TOPIC TAGS: vibrational spectra, pyridine, deuteropyridine

ABSTRACT: Interpretation of the vibrational spectra of pyridine and its derivatives has been hampered by the lack of theoretical data on the fundamental frequencies of vibration of the benzene ring with one C replaced by N. In the present work there were calculated the in-plane modes of pyridine and several of its deuto-substituted derivatives: 2-C₅H₄DN, 3-C₅H₄DN, 4-C₅H₄DN, 2,6-C₅H₃D₂N, 3,5-C₅H₃D₂N and C₅H₅N. The calculated frequencies are tabulated and compared with the experimental data from the literature; the calculated results are consistent with the experimentally observed frequencies and also with the product and sum rules. The force constants and influence coefficients corresponding to the in-plane vibrations have also been calculated; these are also tabulated and the latter are compared

Card 1/2

KOVNER, M.A.; KOROSTELEV, Yu. S.; BEREZIN, V.I.

Vibrational spectra of aromatic compounds. Part 10: Calculations
and interpretation of the vibrational spectra of pyridine and
deuteropyridines. Opt. i spektr. 10 no.4:457-465 Ap '61.
(MIRA 14:3)

(Pyridine-Spectra)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800012-6

News in Brief
(Berdsk Wireless Factory)

SOV/32-24-10-65/70

Card 3/3

SOV/32-24-10-65/70

News in Brief

metals. The highest operation temperature of the furnace is 1600°, the current being supplied by a transformer STE -34. A. I. Dolzhanskiy (zavod "Elektrostal'") ("Elektrostal'" Factory) wrote that the crack detector according to L. K. Tatochenko, V. V. Lyudin et al. (Ref 1) was completed. According to a suggestion by the foreman A. A. Polyakov two permanent magnets ~~EhNSK12M~~ were used for the holding device.

V. I. Berezin, S. Z. Malkin completed the laboratory jaw crusher 58-~~10~~. To secure a higher resistivity the casing will be made of steel type ~~Sh~~ 25-4518. The other modifications are explained by diagrams.

T. I. Moldaver (Berdskiy radiozavod) ~~Berdsk~~ Wireless Factory recommends the use of Teflon rings of a thickness of 2 mm in carbon analyses in Mars furnaces to protect the rubber sealings on the porcelain tubes.

There are 3 figures and 2 references, of which are Soviet.

ASSOCIATION: Moskovskiy inzhenerno-fizicheskiy institut (Moscow Technological Physical Institute); Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy obrabotki metallov (All-Union Research Institute for the Autogenous Treatment of Metals); zavod "Elektrostal'" ("Elektrostal'" Factory); Berdskiy radiozavod

Card 2/3

SOV/32-24-10-65/70

AUTHORS: Lukin, V. V., Vaksman, S. S., Dolzhanskiy, A. I., Berezin, V. I.,
Malkin, S. Z., Moldaver, T. I.

TITLE: News in Brief (Korotkiye soobshcheniya)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10, pp 1292-1293 (USSR)

ABSTRACT: V. V. Lukin (Moskovskiy inzhenerno-fizicheskiy institut) (Moscow Technological-Physical Institute) suggests a new method of determining the maximum plasticity of metals by the destruction of crosspieces (obtained by the drilling of two holes at the ends of the metal piece to be investigated). The crosspieces are destroyed by pressing a special instrument into the bore holes (Figure). The tests are carried out with the testing machine -5. The measurements of the crosspiece prior to and after the test are carried out by means of a metallographical microscope. The idea of this testing method comes from M. P. Markovets (Ref 1). S. S. Vaksman (Vsесоyuznyy nauchno-issledovatel'skiy institut avtogennoy obrabotki metallov) (All-Union Scientific Research Institute for the Autogenous Treatment of Metals) mentions that at this institute an electric furnace with a capacity of 15 kg was constructed for the melting of cast-iron and non-ferrous

BEREZIN, V.I.

Competition for mastering technically substantiated production norms.
Tekst.prom 16 no.10:7-9 0 '56. (MIRA 10:1)

1. Direktor Pavlovo-Posadskogo l^onokombinata.
(Pavlovskiy-Posad--Textile industry--Production standards)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800012-6

BERNZIN, V.I.

Operating the spinning loom PR-108-L
Tekst. prom., 12, no. 3, 1952

ALEKSEYEV, G.P.---(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaiia gidroelektrostantsiiia; tekhnicheskii otchet o proektirovaniii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat, Vol.2.[Organization and execution of construction and assembly work] Organizatsiia i proizvodstvo stroitel'nomontazhnykh rabot. Red. toma: N.V.Razin, A.V.Arngol'd, N.L. Triger. 1962. 591 p. (MIRA 16:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).

(Volga Hydroelectric Power Station (Lenin)--Design and construction)

ALEKSEYEV, G.P.; ANDON'KEV, V.S.; ARNGOL'D, A.V.; BASKIN, S.M.;
BASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; BIYANOV, T.F.;
GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GROMOV, M.F.;
GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.;
ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.;
ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHENVNIKOV,
N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, L.I.;
KUDRYAVTSEV, G.N.; LARIN, S.G.; LEBEDEV, V.P.; LEVCHENKOV,
P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN,
G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand.
tekhn. nauk; MISTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.;
NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKOROCHKOV, V.P.;
PAVLENKO, I.M.; PODROBINNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.;
RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, N.N.; SAZONOV, N.F.;
SAULIDI, I.P.; SDOBNIKOV, D.V.; SEMENOV, N.A.; SKRIPCHINSKIY, I.I.;
SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.;
TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN,
N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.F.; YUROVSKIY,
Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof.,
glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam.
glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH,
A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.;
SARIUKHANOV, G.M., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I.,
red.; GOTMAN, T.P., red.; BUL'DYAYEV, N.A., tekhn. red.

(Continued on next card)

ANDON'YEV, V.I.... (continued) Card 4.

Glav. red. S. Ia. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.
(MIRA 11:9)

1. Russia (1923- . U.S.S.R.) Ministerstvo elektrostantsii. Byuro
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-kor-
respondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy
chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin,
Razin).

(Volga Don Canal--Hydraulic engineering)

ANDON'YEV, V.L.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N.,
tekhn. red.; GENKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn.
red.

[Volga-Don; technical account of the construction of the V.I. Lenin
Volga-Don Navigation Canal, the Tsimlyansk Hydroelectric Center,
and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'-
stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, Tsim-
lyanskogo gidrovozla i orositel'nykh sooruzhenii, 1949-1952; v piati
tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural
descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk.
Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of con-
struction. Specialized operations in hydraulic engineering] Orga-
nizatsiya stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV,
Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER,
P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent,
red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.;
GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F.,
retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I.,
kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent,
red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN,
V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D.,
retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MNINDELEYEV,
D.M., retsenzent, red.; MENKEL', M.F., doktor tekhn. nauk, retsenzent,
red.; OBRIZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent,
red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent,
red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOVA, N.G., retsen-
zent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V.,
prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsen-
zent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVIKOV, M.N.,
retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya.
[deceased], akademik, glavnnyy red.; HUSSO, G.A., kand. tekhn. nauk,
red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.;
ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.;
LIKACHEV, V.P., red.; MEDVYDEV, V.M., kand. tekhn. nauk, red.;
MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PISTROV, G.D., red.; RAZIN,
N.V., red.; SCBOLEV, V.P., red.; FERINGER, B.P., red.; FRMYGOFER,

(Continued on next card)

BEREZIN, V.A.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.;
BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVAY, G.A.; BULAV, M.Z.; BURAKOV,
N.A.; VERTSAYZIR, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.;
GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT,
Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLIMOV, P.S.; GODES, E.G.;
GORBACHEV, V.N.; GRZHIB, B.V.; GREKULOV, L.F., kand. s.-kh. nauk;
GRUDZHENSKAYA, T.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO,
Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK,
A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.;
KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAEV, N.M.; KOMAROVSKIY, V.T.;
KOSINKO, V.P.; KORENSTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.;
KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; IGALOV, V.G.;
LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKENVICH, K.F.; MEL'NICHENKO,
K.I.; MENDELEEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk;
MUSIYENA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.;
OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN,
G.A., prof.; F'YANKOVA, Ye.V.; RAPOORT, Ya.D.; REMEZOV, N.P.;
ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.;
RYBGHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDIRKO, P.M.;
SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY,
Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA,
Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.;
TSISHEVSKIY, I.M.; CHEREKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN,
N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA,
I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,
(Continued on next card)

GOPMAN, Petr Yefimovich; BEREZIN, Vitaliy Borisovich; KHAYKIN,
Aron Moiseyevich; ZIL'BERSHEID, M.M., red.; LARIONOV,
G.Ye., tekhn. red.

[Electrical engineering materials; a handbook] Elektro-
tekhnicheskie materialy; spravochnik. Moskva, Izd-vo
"Energiia," 1964. 354 p. (MIRA 17:3)

BEREZIN, V. B.

AID P - 465

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 28/34

Author : Berezin, V. B., Eng.

Title : Conference on Scientific and Technical Problems of Ceramic Insulation. (Current News)

Periodical : Elektrichestvo, 7, 91, Jl 1954

Abstract : In February 1954 a conference was held in Leningrad concerning problems of ceramic insulation. The conference was organized by the All-Union Office of Electric Insulation of the MONITOE (Moscow Scientific and Technical Society of Power Engineers) and by the Technical Direction of the Ministry of Electric Power Stations and Electric Industry of the USSR, (MEP).

Institution : GLAVELEKTROIZOLYATORPROM MEP SSSR (Main Administration for the Manufacture of Electric Insulation MEP USSR)

Submitted : No date

ANAN'YEVA, A.A.; BEREZIN, V.A.

Calculating the static sensitivity of a three-layered cylindrical transducer. Akust. zhur. 10 no.1:15-19 '64. (MIRA 17:5)

1. Akusticheskiy institut AN SSSR, Moskva.

HEREZIN, V.A.

Continuous production of synthetic mineral pigment. ~~Byull.tekhn.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform.~~ 16 no.3:
9-13, '63. (MIRA 16:11)

BEREZIN, V.A.

Polymicrofertilizers made of wastes from zinc-white production.
Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekh.
inform. no.3:57-59 '63. (MIRA 16:4)

(Fertilizers and manures)

BEREZIN, Vladimir Aleksandrovich; KHVOSTOVA, D.M., red.; SHADRINA, N.D.,
tekhn.red.

[With a long stride] Shirokim shagom. Izd-vo VTeSPS Profizdat,
1959. 24 p.
(MIRA 12:4)

1. Direktor Rostovskogo khimicheskogo zavoda imeni Oktyabr'skoy
revolyutsii (for Berezin).
(Efficiency, Industrial)

BEREZIN, Vladimir Aleksandrovich, kand. ekon. nauk; ZHDANOV,
Yuriy Andreyevich, doktor khim. nauk, rektor; SAAK'YAN,
Yu.A., red.; BUBENNOV, F.S., red.

[New possibilities of chemistry] Novaia vozmozhnost' kimi-
mii. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1965. 71 p.
(MIRA 18:8)

1. Rostovskiy gosudarstvennyy universitet (for Zhdanov).
2. Direktor Rostovskogo khimicheskogo zavoda kommunisticheskogo
truda im. Oktyabr'skoy revolyutsii (for Berezin).

ACCESSION NR: AP4025727

internal pressure to the sensitive element with minimal loss, is the interstitial (second) layer whose elastic properties are close to the elastic properties of the first and third layers (steel and ceramics). In the latter case the three-layer transformer degenerates into a single-layer one. The radial stresses in the material of a cylindrical transformer with optimal elastic properties for the interstitial layer are less than the sonic pressure on the surface; thus any reinforcement is theoretically involved with decrease in the static sensitivity of the transformer with respect to the sensitivity of the transforming element. The greatest loss of static sensitivity of a transformer occurs because of the presence of the first "rigid" (reinforced) layer in which, when it is thin, very large tangential stresses arise if it is in contact with the pliable interstitial layer two. If in the construction of the transformer it is necessary to leave an external thin metallic layer, then it is advisable to take measures to increase its pliability. Only thus can high static sensitivity be realized. Orig. art. has: 5 figures and 6 formulas.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moscow (Institute of Acoustics, AN SSSR)

SUBMITTED: 08Apr63

DATE ACQ: 10Apr64

ENCL: 00

SUB CODE: AP, PH

NO REF Sov: 002

OTHER: 001

Card 2/2

ACCESSION NR: AP4025727

S/0046/64/010/001/0015/0019

AUTHORS: Anan'yeva, A. A.; Berezin, V. A.

TITLE: Computation of static sensitivity of a three-layer cylindrical transformer

SOURCE: Akusticheskiy zhurnal, v. 10, no. 1, 1964, 15-19

TOPIC TAGS: static sensitivity, cylindrical transformer, piezoelectric element, mechanical stress, elastic property, piezoelectric modulus, sound radiator, dielectric penetrability, plane deformation, tangent stress, radial stress

ABSTRACT: The authors compute the change in static sensitivity of a three-layer cylindrical transformer with an internal cylindrical piezoelectric transforming element and external passive layers relative to the natural sensitivity of the transforming piezoelement subject to pressure by the external lateral surface. They analyze the equations for computing the distribution of stress in the radial direction in the material of a three-layer transformer. They determine the influence of the elastic properties of the material of the external layers on the static sensitivity. The tangential mechanical stresses in a specific construction essentially exceed the radial stresses. In the consideration of radial mechanical stresses it is clear that the greatest "sound-transparent", i.e., transmitting

Card 1/2

COV-113-53-10-14/16

AUTHORS: Berezin, V.A. and Ginzburg, S.S., Engineers

TITLE: The Mechanized Removal of Sediments from Centrifuges (Mechanizatsiya vygruzki osadka iz tsentrifug)

PERIODICAL: Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1958,
Nr 10, pp 42 - 43 (USSR)

ABSTRACT: A special device for the mechanized removal of sediments from suspended filtering centrifuges of the type PM-1200, was constructed at the Rostovskiy-na-Donu Khimicheskiy Zavod imeni Oktyabrskoy Revolyutsii (Rostov-on-Don Chemical Plant imeni October Revolution). A scraper is automatically lowered into the centrifuge. It cuts the sediment from the walls of the centrifuge and removes it gradually from the bottom upwards, while the centrifuge turns at a reduced speed. The whole operation takes 2.5 min. The device is described in detail. There is 1 diagram.

1. Centrifuges--Deposits 2. Centrifuges--Cleaning

Card 1/1

BEREZIN, V.

2 x 2 = 5. IUn. tekh. 7 no. 10:69-72 0 '62. (MIRA 15:10)

(Perpetual motion)

BEREZIN, V.

"Machine of the Last Judgement Day." IUn.tekh. 6 no.3:16-17
Mr '62. (MIRA 15:4)
(United States--Atomic bomb)

SEREBYANNIKOV, G. (g.Pavlodar); GOL'DSHMIDT, B.; SUKHORUKOV, Ya.;
BEREZIN, V.; OVCHINNIKOV, A. (Petrozavodsk).

Our readers' letters. Sov. profsoiuzy 16 no.20:50-53 O '60.

(MIRA 13:11)

1. Predsedatel' pravleniya Doma kul'tury meditsinskikh rabotnikov,
Kazan' (Gol'dshmidt). 2. Predsedatel' mestkoma profsoyuza
upravleniya sel'khozmashinostroyeniya Rostovskogo sovnarkhoza,
Rostov-na-Donu (for Berezin);
(Trade unions)

BEREZIN, V.

New prospects in the struggle for peace and a better life.
Sov.profsoiuzy [8] no.3:52-54 F '60. (MIRA 13:2)

1. Sekretar' Vsemirnoy federatsii profsoyuzov.
(Disarmament) (Trade unions)

BEREZIN, V.

The scourge of unemployment. Vsem.prof.dvizh. no.7/8:1-2
Jl-Ag '59. (MIRA 12:12)

1. Vsemirnaya federatsiya profsoyuzov.
(Unemployed)

HEREZIN, V.

Monopolists will not succeed in breaking labor resistance. Sov.
profsoiuzy ? no.4:55-59 Mr '59. (MIRA 12:4)

1. Sekretar' Vsemirnoy federatsii profsoyuzov.
(Capitalism) (Trade unions)

BEREZIN, V.

~~Editorial: Avert the danger of atomic war. Vsem. prof. dvizh. no.~~
~~6:1-2 Je '58.~~ (MIRA 11:7)

1. Sekretar' Vsemirnoy federatsii profsoyuzov.
(Trade unions)
(Atomic warfare)

BEREZIN, V.

Year of persistent struggle of the workers. Sov.profsoiuzy 6
no.1:80-85 Ja '58. (MIRA 11:1)

1.Sekretar' Vsemirnoy federatsii profsoyuzov.
(Labor and laboring classes)
(Trade unions)

BEREZIN, V.; SPARZHIN, Yu.

First year of the cosmic era. IUn. tekhn. 3 no.11:34-39 N '58.
(MIRA 11:12)
(Artificial satellites) (Cosmic physics)

BEREZIN, V.

BEREZIN, V.

Preparations are taking place in the entire world. Sov. profsoiuzy
5 no.9:82-85 S '57. (MIRA 10:9)

1. Sekretar' Vsemirnoy federatsii profsoyuzov.
(Leipzig--Trade unions--Congresses)

BEREZIN, V.

Under the badge of the struggle for the unity of the working
class. Vsem.prof.izvzh. no.9:1-3 S '57. (MLRA 10:9)

1. Sekretar' Vsemirnoy federatsii professional'nykh soyuzov.
(Leipzig--Trade unions--Congresses)

BEREZIN, V.

Socialist competition for attaining technically established
output norms. Sots.trud. no.1:99-103 Ja '57. (MLRA 10:4)

1. Direktor Pavlovo-Posadskogo l'nokombinata Glavl'noproma.
(Textile industry--Production standards)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800012-6

BEREZIN, V.

A law protecting the interests of workers. Vsem. prof. dvizh. no. 4;
37-38 Ap '5'.
(Labor disputes) (MIRA 10:6)

1. BEREZIN, V.
 2. USSR (600)
 4. World Federation of Trade-Unions
 7. Reinforcement of the worker's struggle for their essential demands. Prof.
soiuzy 8, No. 4, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800012-6

BEREZIN, V.

Labor class intensifies its resistance to the attack of reaction
Prof. soiuzy, no. 7, 19'2

BEREZIN, V.

Two by two makes four. Nauka i zhizn' 28 no.9:108-111 S '61.
(Mathematics--Problems, exercises, etc.) (MIRA 14:12)

BEREZIN, V.

"Awakening science; mathematics of Ancient Egypt, Babylon, and
Greece" by Van der Varden. Reviewed by V. Berezin. IUN. tekh.
5 no. 12:56-57 D '60. (Mathematics, Ancient) (MIRA 14:1)

BEREZIN, V.; RYZHAYA, M., mladshiy nauchnyy sotrudnik

Is it possible to spray on dewy flax? Grazhd. av. 21 no. 6:22
Je '64.
(MIRA 17:8)

1. Starshiy inzh. otdela sel'skokhozyaystvennoy aviatsii Gosu-
darstvennogo nauchno-issledovatel'skogo instituta Grazhdanskogo
vozdushnogo flota (for Berezin). 2. Vsesoyuznyy nauchno-issledo-
vatel'skiy institut l'na (for Ryzhaya).

BEREZIN, T.A.

Integrated performance of field operations. Geod.i kart,
no.10⁴55-58 0 '62. (MIRA 15⁴12)
(Topographical surveying)

BEREZIN, T.A.

Notes on the coordination of technical directions. Geod. 1
kart. no. 11:56-58 N '60. (MIR 13:12)
(Topographic maps)

L 27218-66

ACC NR: AM6001742

12. Experimental determination of the parameters of individual elements of autopilots and ships, as objects of control — 178
13. Experimental investigations of automatic course-control systems, and their adjustment — 197

Appendices — 207

References — 218

SUB CODE: 13,09,17/ SUBM DATE: 23Dec65/ ORIG REF: 025/ OIH REF: 004

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L 27218-66

ACC NR: AM6001742

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1. Ships as objects of control, and their characteristics — 6
2. Servosystems for rudder control, and their characteristics — 9
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4. Investigation of the stability of automatic course-control systems — 25
5. Investigation of autopilot quality — 51 |
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6. Selection of the type of automatic course-control system — 67
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8. The synthesis of autopilot correction devices influenced by random actions — 97
9. The synthesis of autopilot correction devices influenced by standard external actions — 139 | Ch. IV. The design of rudder-control servosystems — 153
10. Specific features in selecting rudder-control servosystem elements, and the calculation of some of their parameters — 153
11. The synthesis of correction devices for rudder-control servosystems — 167 |
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Card 2/3

L2724666 EMP(1)/EMP(1)/EMT(1)/EMR(1)/EMP(v)	BC	UR/
ACC NR: A16001742	Monograph	41
Berezin, Sergey Yakovlevich		B+1
Automatic course control for ships autopilots (Avtomlicheskoje upravlenije kursom sudov avtorulewyye) Leningrad, Izd-vo "Sudostroyeniye" 1965. 218 p. illus., biblio. 3000 copies printed.		
TOPIC TAGS: nonlinear automatic control, automatic control equipment, marine automatic pilot, servomechanism system, marine engineering, shipbuilding engineering error correction		
PURPOSE AND COVERAGE: This book is intended for engineers, technicians, and scientific workers engaged in the study and design of autopilots; it may also be used by students in higher educational institutions. In the book, modern automatic course-control systems (autopilots) for ships are examined along with their characteristics as automatic control systems. Methods of investigating and planning these systems are presented. Particular emphasis is placed on the study of autopilots, taking into account their nonlinearity, and on design, as influenced by standard and random external actions. Problems related to the experimental investigation and adjustment of autopilots are reviewed briefly. The material in the book is illustrated by examples from the study and design of actual autopilots.		
TABLE OF CONTENTS:		
Foreword — 3 Card 1/3	UDC: 629.12.014.5—52	

BEREZIN, Sergey Yakovlevich; STARYNKEVICH, D.S., retsenzent;
KOVANTSEV, N.S., nauchn. red.;

[Automatic steering of ships; automatic pilots] Avtomati-
cheskoe upravlenie kursom sudov; avtorulevye. Leningrad,
Sudostroenie, 1965. 218 p. (MIRA 19:1)

VASIL'YEV, D.V.; MITROFANOV, B.A.; RABKIN, G.L.; SAMOKHVALOV,
G.N.; SEMENKOVICH, A.A.; FATEYEV, A.V.; CHICHERIN, N.I.;
NORNEVSKIY, B.I., kand. tekhn. nauk, retsenzent; BEREZIN,
S.Ya., nauchn. red.; SACHUK, N.A., red.; KRYAKOVA, D.M.,
tekhn. red.

[Calculation and design of servo systems] Proektirovanie i
raschet slediashchikh sistem. Leningrad, Izd-vo "Sudostroe-
nie," 1964. 606 p.
(MIRA 17:4)

Calculating Automatic-Control Systems (Cont.)

SOV/625.

recommendations for the practical use of inverse amplitude-phase characteristics in the investigation of the stability and quality of linear systems for experimental determination of the parameters of their elements. Problems of synthesis of correcting devices in automatic-control systems are considered in detail. No personalities are mentioned. There are two appendixes and 53 references: 47 Soviet (1 of which is a translation from the English) and 6 English.

TABLE OF CONTENTS:

Preface	3
Ch. I. Introduction	5
1. Algebraic methods for calculating automatic-control systems	5
2. Frequency methods for calculating automatic-control systems	7

Card 2/6

2/2

PHASE I BOOK EXPLOITATION

SOV/6256

Berezin, Sergey Yakovlevich

Raschet sistem avtomaticheskogo regulirovaniya s pomoshch'yu obratnykh amplitudno-fazovykh kharakteristik (Calculating Automatic-Control Systems With the Aid of Inverse Amplitude-Phase Characteristics) Leningrad, Sudpromgiz, 1962. 336 p. 4500 copies printed.

Reviewers: D. S. Starynkevich and M. Sh. Shifrin, Doctor of Technical Sciences; Scientific Ed.: A. N. Afoshin; Ed.: N. A. Sachuk; Tech. Ed.: L. M. Shishkova.

PURPOSE: This book is intended for engineers, scientific workers, and students concerned with design of automatic-control systems.

COVERAGE: Problems of designing linear automatic-control systems are considered. Recommendations regarding the selection of individual elements of automatic-control systems and the calculation of their basic parameters are presented. The author briefly gives

Card 4/6

1/2

BEREZIN, Sergey Yakovlevich; STARYNKEVICH, D.S., retsentent; SHIFRIN, M.Sh., doktor tekhn. nauk, retsentent; AFOSHIN, A.N., nauchnyy red.; SACHUK, N.A., red.; SHISHKOVA, L.M., tekhn. red.

[Design of automatic control systems using inverse amplitude-phase characteristics] Raschet sistem avtomaticheskogo regulirovaniia s pomoshch'iu obratnykh amplitudno-fazovykh karakteristik. Leningrad, Sudpromgiz, 1962. 336 p.

(MIRA 15:10)

(Automatic control)

Experimental Determination of the Parameters of Elements 105-58-4-17/37
in Automatic Control Systems

was used. The results showed a sufficient accuracy of the
method given.

There are 3 figures, 1 table, and 3 Soviet references.

SUBMITTED: December 11, 1957

AVAILABLE: Library of Congress

1. Control systems-Automatic 2. Elements parameters-Determination

Card 4/4

Experimental Determination of the Parameters of Elements 105-58-4-17/37
in Automatic Control Systems

to the experimentally taken reciprocal amplitude-phase characteristics in the case of the frequency ω_i . The calculation of T_2 can essentially be made easier by determining in the course of the experiment that frequency at which the reciprocal amplitude-phase characteristic intersects the imaginary axis ($\varphi = 90^\circ$). In some cases a previous determination of the amplification factor magnitude of the investigated element is connected with a number of other difficulties. Therefore it is recommended to determine the parameters of the investigated element according to two points of a reciprocal amplitude-phase characteristic taken experimentally. For checking the found parameters with a view to their correctness it is also here recommended to repeat the calculations with several frequencies. For clarifying the accuracy of this method of determining the parameters of elements of automatic control systems the electro-integrator MFT-9

Card 3/4

Experimental Determination of the Parameters of Elements 105-58-4-17/37
in Automatic Control Systems

frequency of ω_i . The amplification factor of the term can be determined by means of measuring apparatus or according to the amplitude found experimentally as well as the phase of the vector of the reciprocal amplitude-phase characteristics in the case of equal frequency ω_i . For checking the correctness of the found parameters it is recommended to repeat the calculation for several frequencies. When the found parameters at different frequencies differ greatly from one another and the points A_i , at the reciprocal amplitude-phase characteristic do not come to lie on a straight it is proved that the investigated term is not a first order term. The reciprocal complex transmission function for a member of second order (of an aperiodic or oscillation member) has the form of

$$Y(j\omega) = \frac{1}{K_0} (1 + T_1 j\omega - T_2 \omega^2) \dots \dots (4)$$

Card 2/4 The amplitude CA and the phase ϕ are determined according

AUTHOR: Berczin, E. Ya. (Leningrad) 105-12-4-17/37

TITLE: Experimental determination of the parameters of elements in automatic control systems
(eksperimental'noye opredeleniye parametrov elementov sistem avtomaticheskogo reguliruvaniya)

PUBLICATION: Elektrichesstvo, 1958, Nr 4, pp. 66-69 (USSR)

ABSTRACT: In using the frequency characteristics for the determination of the parameters of single elements of an automatic control system it is most convenient to use the reciprocal amplitude-phase characteristics. This saves much time in calculations. The reciprocal transfer function of the aperiodic term of first order has the form of

$$Y(p) = \frac{1}{K_0} (1 + T p) \dots (1)$$

K_0 denotes the amplification factor of the term. T denotes the time constant of the term. For the determination of the time constant of the aperiodic system of first order it is sufficient to find experimentally the phase of the vector of the reciprocal amplitude-phase characteristic for a

VASIL'YEV, Dmitriy Vasil'yevich; MITROFANOV, Boris Afanas'yevich; RABKIN, Grigoriy L'vovich; SAMOKHVALOV, Georgiy Nikanorovich; SEMENKOVICH, Aleksandr Aleksandrovich; FATEYEV, Aleksandr Vasil'yevich; CHICHERIN, Nikolay Ivanovich; BEREZIN, S.Ye., otv.red.; SHAURAK, Ye.N., red.; FRUMKIN, P.S., tekhn.red.

[Design of servoactuators] Raschet slediashchego privoda.
Leningrad, Gos. soiuznoe izd-vo sudostroit.promyshl., 1958. 370 p.
(Servomechanisms) (MIRA 12:3)

PA - 2558
Improvement of Dynamic Properties of Automatic Control Systems by
Employing Aperiodic Feedbacks.

for systems with a large period of harmonic oscillations.
(10 Illustrations and 10 Citations from Slav Publications).

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED: 23. 1. 1956
AVAILABLE: Library of Congress

Card 2/2

BEREZIN, S.YA

AUTHOR: BEREZIN, S.YA. PA - 2558
TITLE: Improvement of Dynamic Properties of Automatic Control Systems by Employing Aperiodic Feedbacks. (Uluchsheniye dinamicheskikh svoystv sistem avtomaticheskogo regulirovaniya pri pomoshchi aperiodicheskikh obratnykh svyazey, Russian)
PERIODICAL: Avtomatika i Telemekhanika, 1957, Vol 18, Nr 3, pp 229-239
(U.S.S.R.)
Received: 4 / 1957 Reviewed: 5 / 1957
ABSTRACT: It was the purpose of this work to clarify the influence exercised by aperiodic feedbacks upon the stability and quality of automatic control systems; and to show practical methods of obtaining such feedbacks. The first chapter investigates the application of aperiodic feedbacks in servo-systems, the second chapter investigates such feedbacks in automatic control systems, and the third chapter then shows a practical method of obtaining them. The usefulness of using feedbacks is confirmed by the results obtained by the experiment. Investigations carried out permit to draw the following conclusions:
1. Replacement of rigid feedbacks in automatic control systems by aperiodic feedbacks facilitates the reduction of the velocity error as well as of occurring amplitude- and phase errors.
2. The application of aperiodic feedbacks can be recommended for automatic control systems with slowly varying fluctuations, as e.g.

Card 1/2

BEREZIN, S.Ya. (Leningrad)

Determining stationary operation errors of servomechanisms in case of
harmonic disturbances. Avtom. i telem. 14 no.4:403-406 Jl-Ag '53.

(MLRA 10:3)

(Servomechanics)

ARAKCHEYEV, A.A.; BEREZIN, S.P.; BELYAVSKIY, V.A.; KOLOTILOV, A.N.;
MOLOKANOV, S.I.; NEKHASOV, A.M.; LAVRENENKO, K.D.; POLENTSEV, M.K.;
ROZHDESTVENSKIY, A.P.; SATANOVSKIY, A.Ye.; SIRYY, P.O.; SPIRIDONOV,
K.A.; CHERNYSHEV, P.S.; SHURENKO-SHUBIN, L.A.

Savva Mikhailovich Zherbin; obituary. Elek,sta. 30 no.2:96 F
'59. (MIRA 12:3)
(Zherbin, Savva Mikhailovich, 1903-1958)

HEREZIN, S.M.

Reconstruction of a drum condenser. TSegment 31 no. 6:20
N-D '65. (MIRA 18:12)

1. Vol'skiy tsementnyy zavod "Bol'shevik".

HREZIN, S.M.

Reconstructing a clay mixer. TSement 21 no.1:29-30 Ja '55.

1. TSementnyy zavod "Kommunar."
(Mixing machinery)

(MLRA 8:4)

BEREZIN, S. K.

EFP.
R93011

KAK MY DOBILIS' VYSOKIKH UROZHAYEV ZERNOVYKH KULTUR. MOSKVA, IZD-VO
ZNANIYE, 1952. 23 p. (VSESOYUZNOYE OBSHCHESTVO PO RASPROSTRAHENIYU POLITI-
CHESKIKH I NAUCHNYKH ZNANIY. 1952, SERIYA 3, NO. 7)

BEREZIN, S.I., inzh.; SHOYKHER, I.A., inzh.

Machining the profile section of the moving blades of the terminal stages of steam turbines. Energomashinostroenie 9 no. 4:29-31
Ap '63.

(MIRA 16:5)
(Steam turbines)

PAGE I BOOK EXPLOITATION

807/5422

Donskoy, Ya. Ye., G.I. Kursach, and I.P. Lyslyuk, eds.

Mechanization i avtomatizatsiya: shornik stat'j ob chyste vnedreniya mehanizatsii i avtomatizatsii na Khar'kovetskiy mashinostroitel'nykh zavodakh (Mechanization and Automation; Collection of Articles on Application of Mechanization and Automation in Khar'kov Machinery Manufacturing Plants) [Khar'kov]

Kharkovskoye Knizhnoye Izd-vo 1960. 375 p. 5,900 copies printed.

Editorial Board: S.A. Vorob'yev, Candidate of Technical Sciences; Chairman of the Editorial Board: P.I. Zemko, Engineer; A.Ye. Leont'ev, Doctor, Candidate of Technical Sciences, and S.M. Khmar, Candidate of Technical Sciences; Eds.: V.I. Lutsiv, Engineer; A.Ye. Leont'ev, Doctor, Candidate of Technical Sciences; Ye. Ye. Donskoy, G.I. Kursach, and I.P. Lyslyuk, Tech. Ed.; M.I. Linzova.

PURPOSE: This collection of articles is intended for technical and scientific personnel, outstanding workers, and shock workers of communist and labor.

COPYRIGHT: The multifaceted experience of Khar'kov enterprises in the mechanization, automation, and improvement of manufacturing processes in the mechanics, considered and new machines, instruments, and apparatus is generalized. The introduction of new technologies in the Khar'kov enterprises management services is given to newly established enterprises, and to

By including concrete examples and practices, the authors of the various complex experiments demonstrate the achievements of the various problems in fulfilling the resolutions of the June (1959) and July (1960) Plenums of the Central Committee of the Communist Party of the Soviet Union. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Shmelev-Shubin, I.A. [Corresponding Member of the Academy of Sciences of the Ukraine, Chief Designer of the Khar'kov Turbine Plant]. The Development of Steam-Turbine Building at the Khar'kov Turbine Plant 1-79

Berezin, S.I., and V.A. Korot'ko [Chief Engineer of the Khar'kov Turbine Plant, Deputy Director in Mechanization and Automation]. Experience 101

Rodionov, V.N. [Chief Engineer of the Khar'kovs'koye elektromekhanicheskoye zavod -- Khar'kov Electromechanical Plant], and N. Ye. Politskii [Deputy Chief Plant Engineer]. Full Mechanization and Automation at the Khar'kov Turbine Plant 117

Mechanization and Automation (Cont.)

Zol'tsyanskiy, F.B., and M.G. Vinogradov [Engineers]. The Experimental Model Shop of the Khar'kovetskiy zavod (Khar'kov Benzing Plant) 123

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Munzib, V.A., and V.O. Korolenko [Engineers]. What is Accomplished? 139

Korkov, P.K. [Chief Engineer of the Khar'kov Turbine Plant]. Lines for Stamping Stator and Rotor Sheets 174

Zil'berg, A.G. [Chief Process Engineer of the "Bryt-shchakta" Plant]. For Mechanization in Coal Mining 181

BEREZIN, S.I., inzh.; MOZHDESTVENSKIY, A.P., inzh.

Turbine production for heat-power plants during the past 40 years.
Elek.sta. 28 no.11:40-46 N '57. (MIRA 10:11)
(Turbines)

On the production of equipment for hydro-electric power stations by the French firm Neypic. (Cont.) 114-7-14/14

glands. Various design features of turbines are mentioned. An account is given of cavitation studies. Low-head Kaplan turbines are described and the efficiency of radial-axial turbines is discussed. The firm has very great experience in the manufacture of all types of turbines. In the main the firm is opposed to standardisation of water turbine design and equipment. They declare that every water turbine is a prototype. This is in marked contrast to Soviet practice which recently has made extensive use of unification and standardisation in the design of new water turbines, which makes it possible greatly to cut down the time for design and manufacture of turbines without impairing their quality.

2/2 There are 5 figures, 1 table and 5 literature references, all French.

AVAILABLE:

AUTHORS: Berezin, S.I. and Kolesnikov, A.G. (Engineers). 114-7-14/14
TITLE: On the production of equipment for hydro-electric power
stations by the French firm Neypic. (O proizvodstve oborudov-
aniya dlya gidroelektrostantsiy Frantsuzskoy firmoy Neypik.)

PERIODICAL: "Energomashinostroyeniye" (Power Machinery Construction)
1957, No.7, Vol.3, pp.37-40. (U.S.S.R.)

ABSTRACT : Neypic is described as one of the leading French firms
manufacturing modern equipment for hydro-electric power stations.
Although it holds no records for size or quantity of output of
water turbines the firm is of interest to Soviet readers because
of its great experience. The description given in the article
was obtained during the course of a visit and from material
published by the firm. A brief history of the firm is given with
an account of the type of equipment produced. The main shops
and services of the Grenoble works are described briefly. Special
mention is made of the importance attached to experimental inves-
tigations. This includes a brief account of the hydraulics
laboratory. The last part of the article describes some special
features of production and the development of new designs of
turbine. Special mention is made of the accuracy of workmanship
which makes it largely possible to do away with preliminary
assembly for purposes of verification. Attention is drawn to the
extensive use of welding and to the use of plastic labyrinth

BEREZIN, S. I.

Schetnaia logarifmicheskaiia lineika [Logarithm slide rule]. Prakt.
rukovodstvo. 3-d izd. Moskva, Mashgiz, 1952. 48 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 2 May 1954.

BEREZIN, S. I.

Schetnaia logarifmicheskala lineika. Moskva, Mashgiz, 1949. 37 p.
(The slide rule.)

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953

BEREZIN, S.I., inzh.; BASHINSKIY, S.V., doktor tekhn.nauk, nauchnyy red.;
GERASIMOVA, G.N., red.izd-va; HUDAKOVA, N.I., tekhn.red.

[Instructions for establishing standards of materials expenditure
in the construction industry] Metodicheskie ukezaniia po tekhnicheskому normirovaniyu raskhoda materialov v stroitel'nom proizvodstve. Moskva, Gos.izd-vo lit-ry po stroyt., arkhit. i stroit. materialam, 1960. 50 p.
(MIRA 14:1)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut ekonomiki stroitel'stva. 2. Chlen-korraspondent Akademii stroitel'stva i arkhitektury SSSR (for Bashinskiy).
(Building materials)

BEREZIN, S.I., inzh.; SHUBIK, A.Ye.; RIMMER, V.S., inzh., spets.red.;
GERASIMOVA, G.N., red.izd-va; RYAZANOV, P.Ye., tekhn.red.

[Production norms for the expenditure of building materials]
Proizvodstvennye normy raskhoda stroitel'nykh materialov.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.mate-
rialam, 1960. 125 p. (MIRA 13:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut ekono-
miki stroitel'stva.

(Building materials)

BEREZIN, S.
BEREZIN, S., inzh.; REKITAR, Ya.,ekonomist

Large-block construction of farm buildings in the German Democratic Republic. Gor.i sel.stroi. no.8/9:27-28 Ag-S '57. (MIRA 10:12)
(Germany, East--Farm buildings) (Precast concrete construction)

BEREZIN, S.I.; GORSHKOV, D.S., prof., retsenzent

[The slide rule; a short practical handbook] Schet-naia logarifmicheskia lineika; kratkoe prakticheskoe rukovodstvo. Izd.3., dop. i perer. Moskva, Mashinostroenie, 1965. 66 p. (MIRA 18:3)

BEREZIN, S.

A powerful base for electric power engineering. NTO 2 no.12:7-10
D '60.
(MIRA 14:3)

1. Glavnnyy inzh.Khar'kovskogo turbinnogo zavoda imeni S.M. Kirova.
(Kharkov—Turbines)

BEREZIN, S. and Moryganov, A.

"Feed Supply of the 'Vpered' Collective Farm," Kolkh. proiz. 12, no 5, 1952.
MLRA, Nov 52.

BERLIN, R.M.; BEREZIN, R.V.

Method of continuous control of the depth of the carbonization process of aluminate solutions, Tsvet.met. 38 no.7:51-53 JI
'65. (MIRA 18:8)

SAPIRO, M.M.; BEREZIN, R.V.

Automatic control of beer rectification columns. Gidroliz.i
lesokhim.prom. 15 no.3:21-22 '62. (MIRA 15:5)

1. Leningradskiy gidroliznyy zavod (for Sapiro). 2. Institut
"Proyektavtomatika" (for Berezin).
(Leningrad—Hydrolysis) (Distillation apparatus)
(Automatic control)

NOSOV, N.S., inzh.; BERUZIN, P.P., laureat Leningskoy premii

Fire prevention system on the atomic icebreaker "Lenin." Sudostroenie 27 no.8:39-40 Ag '61. (MIRA 14:9)
(Lenin (Atomic ship)--Fires and fire prevention)

BEREZIN, P.P., laureat Leninskoy premii

New development in ship systems on the atomic icebreaker "Lenin."
Sudostroenie 2' no.8:34-38 Ag '61. (MIRA 14:9)
(Lenin (Atomic ship)) (Marine engineering)

~~BEREZIN, P.G.; DANILIN, V.I.; YELISTRATOV, S.S.; ZVEREV, A.A.;~~
~~ZAMECHNIK, F.F.~~

Efficient technology for the founding of large cast iron
ingot molds. Stal' 23 no.2:181-184 F '63. (MIRA 16:2)

1. Volgogradskiy mekhanicheskiy institut i zavod
"Krasnyy Oktyabr'".
(Iron founding) (Ingot molds)

BEREZIN, P.G., kand.tekhn.nauk, dotsent; DANILIN, V.I., inzh.; ZVEREV, A.A., inzh.;
YELISTRATOV, S.B., dotsent; ZAMECHNIK, F.F., inzh.; REDIN, P.P., inzh.

Improving the quality of cast iron for molds. Stal' 21 no.6:571-575
Je '61.
(MIRA 14:5)

1. Stalingradskiy mekhanicheskiy institut i zavod "Krasnyy Oktyabr".
(Cast iron) (Ingot molds)

BEREZIN, P.G.; YELISTRATOV, S.S.; REDIN, P.P.

Mechanization of casting in permanent molds. Lit. proizv. no.1:
38-39 Ja '61. (MIRA 14:1)

(Foundries—Equipment and supplies)
(Machine molding (Foundry))

BEREZIN, P.G., tokar'

Remodeling a slitting machine. Bum. prom. 33 no.8:18 Ag '58.
(MIRA 11:10)

1. Balakhinskiy tsellyulozno-bumazhnyy kombinat.
(Paper-cutting machines)

BEREZIN, A.G.

BEREZIN, P.G.; LAVRUK, I.V.; SOKOL, A.N.

Effect of the size of the specimen on mechanical wear testing data.
Zav.lab.21 no.7:831-882 '55. (MIRA 8:10)
(Mechanical wear)

BEREZIN, P. G.

Journal of the Iron and Steel
Vol. 176 Part 3
Mar. 1954
Foundry Practice

The Technology of Producing Cast Iron Treated with
Magnesium. K. I. Vashchenko, P. G. Berezin, and A. N.
Prestov. (Litovskii Promstotekhnika, 1953, 6, 11, 18-21). [In
Russian]. After a review of factors in nodular cast iron pro-
duction and utilization which require study, the addition of
magnesium and its alloys to cast iron is considered in detail.
Russian techniques for carrying out the magnesium additions
are critically reviewed from the aspects of effectiveness, tem-
perature drop, and safety. Data are given on the effects of
sulphur, manganese, and silicon, and the hardness and form
of graphite in nodular irons containing 0.010-0.053% of
magnesium are compared. The harmful effects of phosphorus
are capable of mitigation by suitable heat-treatment.—S. K.

(3) Met

BEREZIN, P. G.

Booklet on safety measures for metal casters and pourers. Kiev, Gos. nauchno-tehn. izd-vo mashinostroit. lit-ry Ukr. otd-nie 1950. (Mic 55-3924) Collation of the original, as determined from the film: 63 p.

Microfilm Slavic 432 T

1. Founding - Safety measures. I. Berezin, P. G.

BEREZIN, P.F., general-major aviatssi v zapase

Political aggression behind the scenes of national security
("The impact of the air power." Reviewed by P.F.Beresin).
Vest.Vozl. Fl. no.7:89-91 Jl '60. (MIRA 13:7)
(United States--Air Force)
(Berezin, F.F.)

86-58-5-37/38

AUTHOR: Berezin, P. I.

TITLE: Reference-books on the Jet Aircraft of the World (Spravochniki po reaktivnym samoletam mira)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 5, p 90 (USSR)

ABSTRACT: These are critical reviews of two foreign books: "Jet Aircraft of the World" by W. Green and P. Gross, published in Britain, and "The Observer's Book of Aircraft" by William Green, and Gerald Pollinger, London and New York, 1957. Both books were translated into the Russian language. The author states that the data concerning the jet aircraft of the Soviet Union in both books are not authentic.

AVAILABLE: Library of Congress

1. Books - Review

Card 1/1

BEREZIN, P.F., redaktor

[The air force in modern war, according to foreign opinion]
Voenno-vozdushnye sily v sovremennoi voine po inostrannym vsglyadam.
Moskva, Voen. izd-vo Ministerstva obrony SSSR, 1957. 236 p..
(Air warfare) (MLRA 10:6)

Berezin, P. F.

BEREZIN, P. F.
Krasnaia aviatsiia v bor'be s belopoliakami. Moskva, Voenizdat,
1940. 85 p.

Title tr.: The Red Air Force in the fight against the Polish
White Guard.

DKL40.339

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

REZNIK, P.; EREZIN, P., prepodavatel'; KONDRATENKO, I., prepodavatel';
SHTOKMAN, Ye., prepodavatel'

Podagogical training of a foreman. Prof.-tekhn.oabr. 19 no.1:17
Ja '62. (MIRA 15:1)

1. Zamestitel' direktora po uchebnoy chasti Khar'kovskogo
industrial'nogo tekhnikuma (for Reznik).
(Teachers, Training of)

L 18056-63 Po-L/Pub-W/Pd-L	EPA(D)/DWT(1)/BDS/IS(W)-2 AFFTC/ASD/LTP(C)/SSD	P.L.W/ S/0207/63/000/003/0155/0159 72
ACCESSION NR: AP 1002825		
AUTHOR: Berezin, O. A. (Leningrad)		
TITLE: Steady motion of an electroconductive fluid in a rectangular channel in the presence of a transverse magnetic field		
SOURCE: Zhurnal prikladnoy mehaniki i tekhnicheskoy fiziki, no. 3, 1963, 155-159		
TOPIC TAGS: fluid flow, magneto-hydrodynamics, fluid conduction		
ABSTRACT: The author considers steady motion of an electroconductive fluid in a rectangular channel whose lateral walls are ideal conductors and whose upper and lower walls are nonconductors. A constant transverse magnetic field is applied to the channel which is perpendicular to the upper and lower walls. A constant current (through a unit length of electrodes) is transmitted through the lateral walls of the channel. The author reduces this problem to solving an infinite system of algebraic equations and makes some remarks concerning the magnitude of some of the coefficients appearing in the solution. Orig. art. has: 25 formulas.		
ASSOCIATION: none		
SUBMITTIN: 26Jun62	DATE ACQ: 16Jun63	ENCL: 00
SUB CODES: MM	NO REF Sov: 003	OTHER: 001
Card 1/1		

HEREZIN, O.A., inzh.; HERKHOV, N.F., inzh.

Calculation of the mechanical strength of the elastic element of
the centering collar of a turbogenerator acted upon by an axisym-
metrical load. Vest.elektroprom. 32 no.2:18-23 F '61.
(MIRA 15:5)

(Turbogenerators)